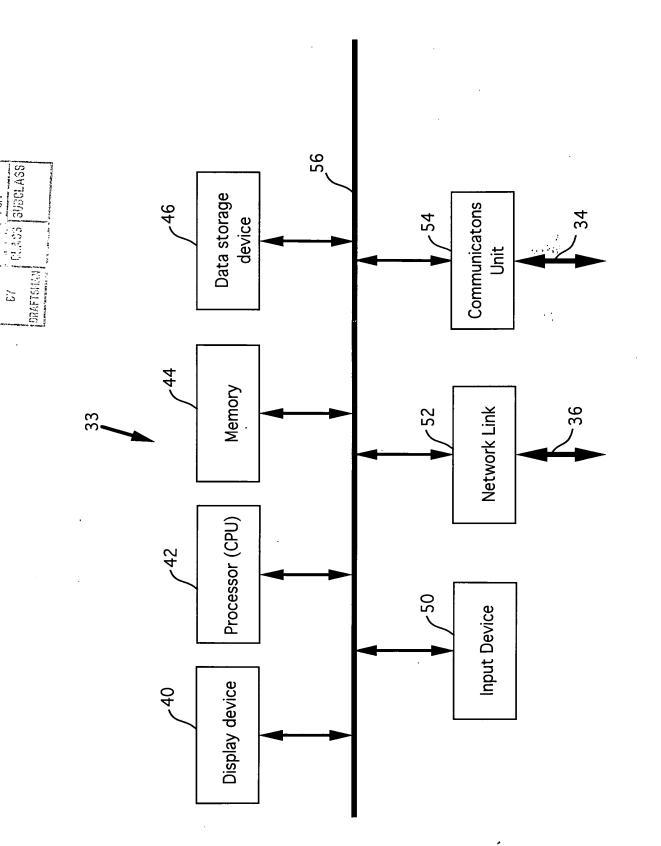


Fig. 1 (Prior Art)



CLASS SUBCLASS

Fig. 2

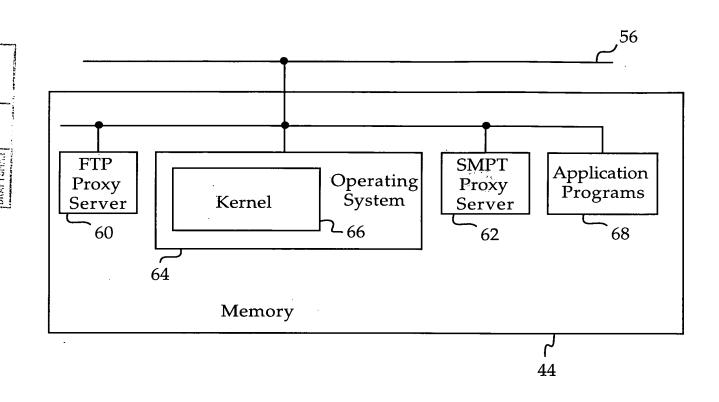


FIG. 3

OSI Layer

## Implementation Protocol

406 423 424 Electronic **Application** File Tranfer Mail 421 422 FTP Proxy SMTP Proxy Server server 405 417 418 Presentation Simple Mail File Tranfer Tranfer Protocol 404 Protocol (FTP) Session (SMTP) 403 415 Transmission Control **Transport** Protocol (TCP) 402 412 413 Address Network Resolution 401 411 Data Link 400 410 Physical

425 426 **Terminal** Network Emulation Management 419 420 SImple Network **TELNET** Protocol Management Protocol (SNMP) 416 User Datagram Protocol (UDP) 414 Internet Control Internet Message Protocol (IP) Protocol (ICMP) Network Interface Cards: Ethernet, StarLAN token Ring Transmission media: twisted pair, coax or Fiber **Optics** 

FIG. 4

Server Task) 68 30 Port 80 Port √ Reply 1 Receive . 80 70~ 33 ر 8 Port FIG. 5A Client Task) 30 72

BY C.ASS SUBLIASS

DRAFTSHALL

Server Task) 68 30 Port DRAFTSHALL Receive **∀** Reply 28 Port 80 33) Port FIG. 5B Client Task) 30



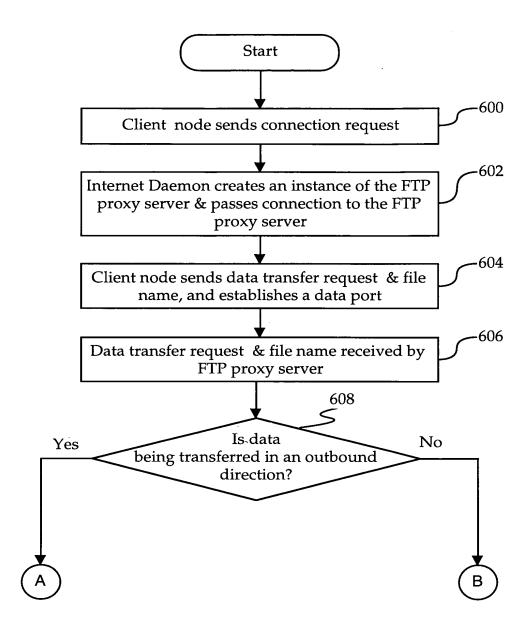


FIG. 6A

End

610

Delete file or store renamed file at gateway node depending on configuration setting, and erase temporary file

FIG. 6B

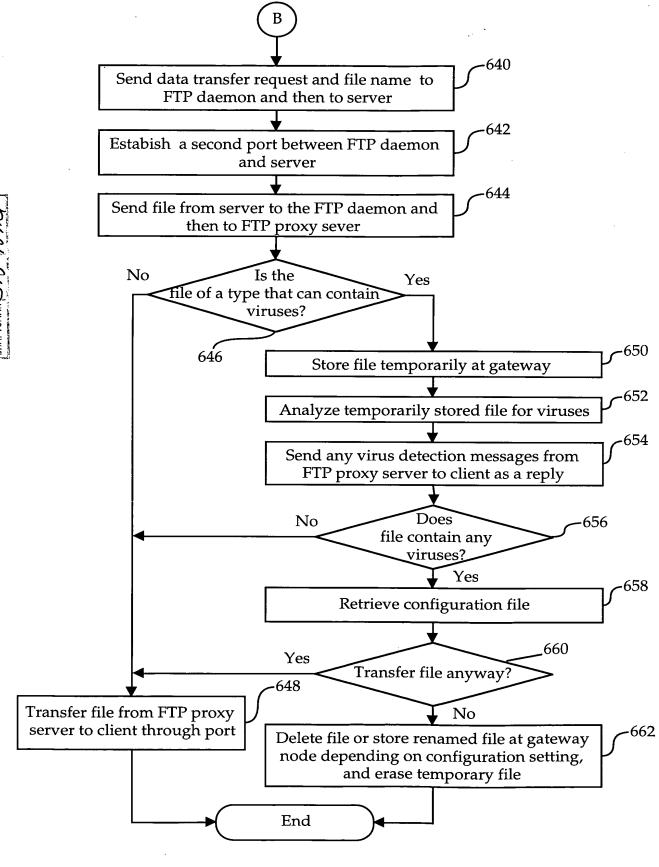
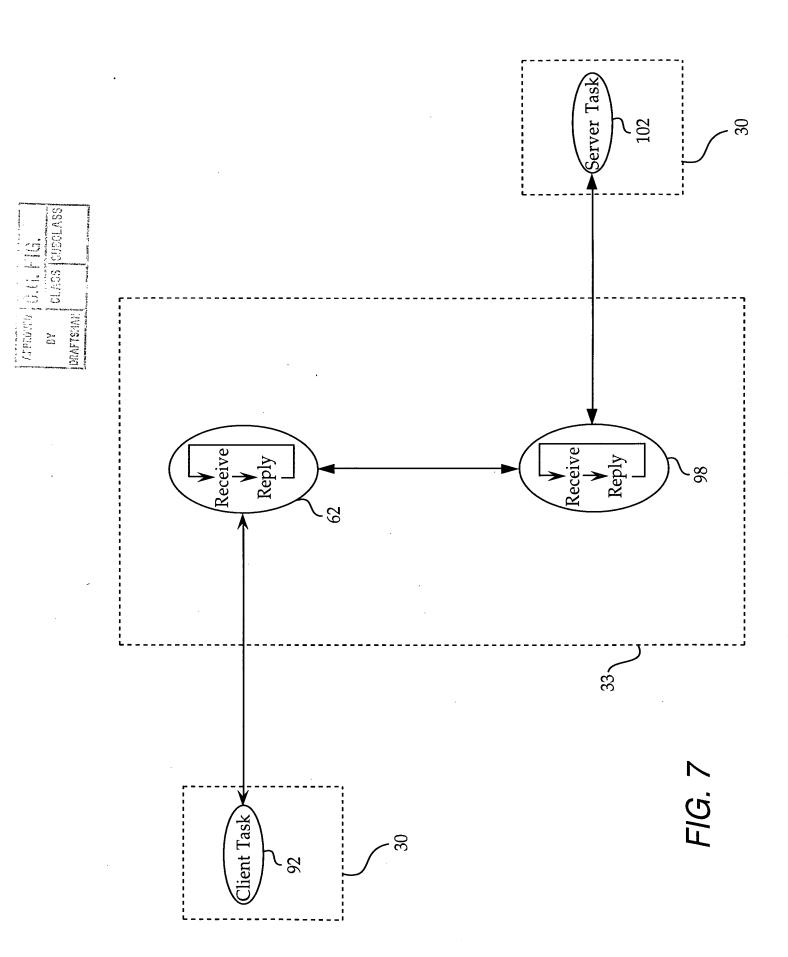


FIG. 6C





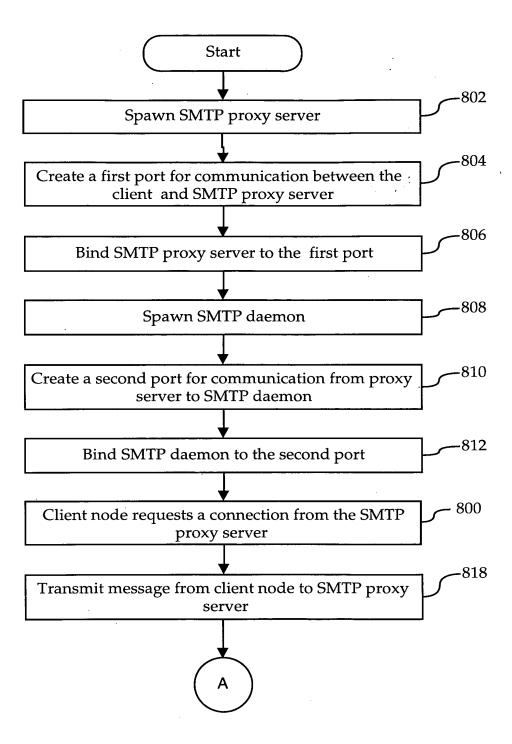


FIG. 8A

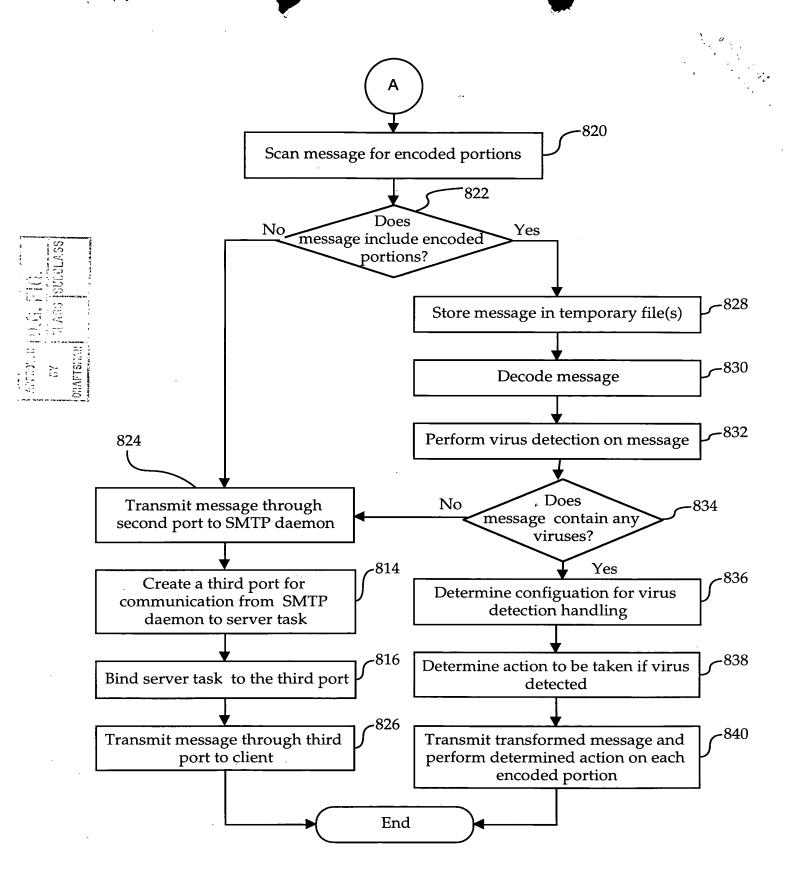


FIG. 8B